



IFW

PATENT  
ATTORNEY DOCKET NO. 053848-5017

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	Confirmation No. 5803
Naoto INABA, <i>et al.</i>	)	
	)	Group Art Unit: 3662
Application No. 10/680,174	)	
	)	Examiner: B. Andrea
Allowed: August 12, 2004	)	
	)	<b>Mail Stop Amendment</b>
Filed: October 8, 2003	)	
	)	
For: RANGING APPARATUS, RANGING	)	
METHOD, AND OPTO-ELECTRONIC	)	
CONVERSION CIRCUIT	)	

**Mail Stop Amendment**  
Commissioner for Patents  
U.S. Patent and Trademark Office

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449. Each item of information contained in this Information Disclosure Statement was first cited in an International Search Report from the European Patent Office (copy enclosed) in a counterpart foreign application and before the mailing date of a first Office Action on the merits. Therefore, no fee is required for filing this Information Disclosure Statement.

U.S. Patent Nos. 5,760,887, 4,699,507, and 5,738,901 were previously cited in an earlier filed Information Disclosure Statement. Copies of non-U.S. Patent documents are attached. Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If it should be determined that the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.


Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any of the documents be applied against the claims of the present application.

**Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required

extension of time fees, or credit any overpayment to Deposit Account No. 50-0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. §1.136(a)(3).

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

By:   
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Date: January 25, 2005

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**INFORMATION DISCLOSURE  
CITATION**

(Use several sheets if necessary)

PTO Form 1449

Attorney Docket No.

053848-5017

Application No.:

10/680,174

Applicants: Naoto INABA, *et al.*

Filing Date: October 8, 2003

Group Art Unit: 3662

## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	6,222,660	04/24/2001	Traa			
	5,966,678	10/12/1999	Lam			
	5,319,972	06/14/1994	Oblak, et al.			
	4,899,159	02/06/1990	Marchant			
	4,292,514	09/28/1981	Ohtomo			
	3,728,725	04/17/1973	Bauer			
	3,500,396	03/10/1970	Schmidt, et al.			
	3,386,091	05/23/1968	Muchlinski, et al.			
	3,364,482	01/16/1968	Sones			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub Class	Translation YES NO	
GB 2 308 763	07/02/1997	United Kingdom				
WO 99/12052	03/11/1999	PCT				
WO 96/39611	12/12/1996	PCT				

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DBH/fdb

January 25, 2005

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**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		"Digital Image Processing Techniques Applied to the Radar Detection Problem", C.R. Guarino, Proceedings of Southeastcon. Williamsburg, Proceedings of the Southeast Conference, New York, IEEE, US, vol. 1, pp 702-706, April 7-10, 1991.
		"A Novel High-Gain Image Sensor Cell Based on Si p-n APD in Charge Storage Mode Operation", Komobuchi, et al., IEEE Transactions on Electron Devices, USA, vol. 37, no. 8, pp 1861-1868, August 1990.

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